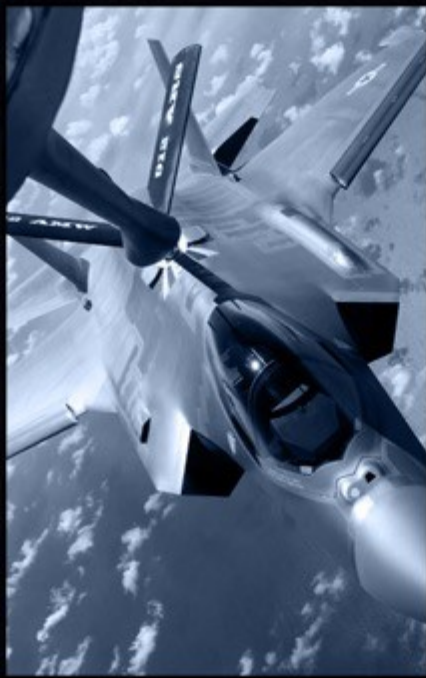




DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY



Pipeline Measurement Process Review Committee DLM 4000.25 Volume

6
December 9, 2015
Chapter 4 Update



Agenda

Pipeline Measurement

DLM 4000.25 Volume 6, Chapter 4

- C4.1 General
- C4.2 Policy
- C4.3 Roles & Responsibilities
- C4.4 Configuration Management
- C4.5 LMARS Architecture
- C4.6 LMARS Content



Purpose

- Focus and goal of meeting
 - Review and revise DLM 4000.25 Volume 6,
Chapter 4, Pipeline Measurement
 - Capture revisions to the Logistics Metrics Analysis Reporting System (LMARS) in preparation for Proposed DLMS Change (PDC)
 - Changes to chapter 4 will be identified in yellow,



DLM 4000.25 VOLUME 6

- Primary Change **CHAPTER 4**
 - Remove reference to Customer Wait Time, C4.1.2 (page C4-1)
 - Update DoDM references, C4.2 (page C4-2)
 - Establishment time definite delivery (TDD), 4.2.2 (page C4-2)
 - Remove Customer Wait Time, C4.2.2 (page C4-2)
 - Correct TDD standard performance measurement, C4.2.3.1 (page C4-3)
 - Remove requirement for Transaction Services to develop and execute tool set for measuring CWT and TDD performance, C4.3.3.10 (page C4-5)
 - Remove requirement for Component submission of monthly CWT reports to Transaction Services,



DLM 4000.25 VOLUME 6

- Primary Change **CHAPTER 4** Chapter 4 – Cont'd
 - Remove requirement for DoD Components to retain records of LRT, CWT and TDD performance for audit and oversight, C4.3.5.11 (page C4-7)
 - Remove requirement for the PM PRC to develop and maintain uniform business rules for measurement and reporting of CWT & TDD in LMARS, C4.4.1.3 (page C4-7)
 - Remove requirement to provide feedback to ODASD/ (SCI) concerning components requirement to fully implement CWT and TDD measurement tools, C4.4.1.7 (page 4-8)
 - Remove “Major Command” report, C4.6.5.1.2 (page C4-16)
 - Remove reference to TDD Areas, C4.6.5.4.1 (page C4-18)



DLM 4000.25 VOLUME 6

- C4.1 General **CHAPTER 4**
 - C4.1.1 Purpose of Chapter – Identify the roles and authorities, business rules, governance and configuration management processes that comprise the LMARS
 - C4.1.2 **Purpose of LMARS** page C4-1
 - C4.1.2.1 Set of definitions
 - C4.1.2.2 Set of business events/transactions
 - C4.1.2.3 Set of business rules
 - C4.1.2.4 Database
 - C4.1.2.5 Set of monthly reports



DLM 4000.25 VOLUME 6

- **C4.2 Policy** (page C4-1) **CHAPTER 4**
 - C4.2.1 Logistics Response Time (LRT)
 - **C4.2.2 Customer Wait Time (CWT)** (page C4-2)
 - C4.2.2.1 Components develop methods
 - C4.2.2.2 Components calculate, measure performance
 - C4.2.2.3 Components submit monthly reports (delete)
 - C4.2.3 Time Definite Delivery
 - C4.2.3.1 Establish TTD standards
 - C4.2.3.2 Negotiate & maintains standards
 - C4.2.3.2.1 TDD standards
 - C4.2.3.2.2 Involves pipeline segments



DLM 4000.25 VOLUME 6

- C4.3 Roles & **CHAPTER 4**
 - C4.3.1 Pipeline Measurement Process Review Committee (PM PRC)
 - C4.3.2 Office of the Deputy Assistant Secretary of Defense Supply Chain Integration (ODASD/SCI)
 - C4.3.2.1 Serve as OSD sponsor of PM program
 - C4.3.2.2 Review & approve PM program plans
 - C4.3.2.4 Coordinate with OSD for PM performance
 - C4.3.2.3 Review and approve Pipeline program
 - C4.3.2.5 Support the implementation
 - C4.3.2.6 Maintain contact with PRC
 - C4.3.2.7 Ensure DoD senior leaders are advised



DLM 4000.25 VOLUME 6

- C4.3 Roles & ~~CHAPTER 4~~ Continued
 - C4.3.3 Defense Logistics Management Std. Office
 - C4.3.3.1 Develop PM PRC meeting agendas
 - C4.3.3.2 Announce PM PRC meetings
 - C4.3.3.3 Submit PM PRC meeting minutes
 - C4.3.3.4 Publish final PM PRC meeting minutes
 - C4.3.3.5 Maintain current list of representatives
 - C4.3.3.6 Submit proposed recommendations
 - C4.3.3.7 Present issues to the PM PRC
 - C4.3.3.8 Present issues to OSD PSA for resolution
 - C4.3.3.9 Document PM PRC program objectives and business rules
 - C4.3.3.10 Support Supply Chain Metrics Group



DLM 4000.25 VOLUME 6

- C4.3 Roles & ~~CHAPTER 4~~ Continued
 - C4.3.3 Defense Logistics Management Std. Office
 - C4.3.3.11 Develop and Provide Training
 - C4.3.3.12 Report findings & recommendations
 - C4.3.3.13 Ensure PRC builds an extensible capability
 - C4.3.3.14 Ensure testing and validation of changes
 - C4.3.4 DLA Transaction Services
 - C4.3.4.1 Develop and maintain the database
 - C4.3.4.2 Attend all PM PRC meetings
 - C4.3.4.3 Implement enhancements and



DLM 4000.25 VOLUME 6

- C4.3 Roles & ~~CHAPTER 4~~ Continued
 - C4.3.5 DoD Components
 - C4.3.5.1 Attend all PM PRC meetings
 - C4.3.5.2 Submit agenda items to the chair
 - C4.3.5.3 Respond to tasking from PM PRC meeting
 - C4.3.5.4 Identify inter-DoD Component LRT,CWT,TDD
 - C4.3.5.5 Develop/submit DLMS change proposals
 - C4.3.5.6 Present Component position
 - C4.3.5.7 Promote & support LMARS
 - C4.3.5.8 Use metrics to assess DoD Supply Chain pipeline performance and process



DLM 4000.25 VOLUME 6

- C4.3 Roles & ~~CHAPTER 4~~ Continued
 - C4.3.5 DoD Components
 - C4.3.5.10 Review Monthly LMARS Outputs
 - C4.3.5.10.1 Review monthly reports analyzing and researching trends
 - C4.3.5.10.2 Review data corrections and analyses identified to the PM PRC Chair and DLA Transaction Services
 - C4.3.5.10.3 Table updates, business rule changes, and fill rule changes will be identified by components to the PM PRC
 - C4.3.5.10 Submit monthly CWT reports (page C4-7)
 - C4.3.5.11 Retain records of LRT, CWT, and TDD (page C4-7)



DLM 4000.25 VOLUME 6

- C4.4 Configuration Management
 - C4.4.1 PM PRC Administration
 - C4.4.1.1 Coordinate actions essential to maintenance & improvement of LMARS
 - C4.4.1.2 Develop and maintain uniform CWT and TDD business rules in LMARS (page C4-7)
 - C4.4.1.3 Primary group for developing & and executing LMARS
 - C4.4.1.4 Ensure senior leaders in DoD Components are apprised of initiatives and plans with respect to LMARS
 - C4.4.1.5 Documenting and maintaining DoD-level LRT,CWT, & TDD



DLM 4000.25 VOLUME 6

CHAPTER 4

- C4.4 Configuration Management – Cont'd
 - C4.4.1 PM PRC Administration – Cont'd
 - C4.4.1.6 Posting PM PRC meeting minutes to DLMSO website
 - C4.4.1.7 Providing feedback to ODASD/(SCI) concerning CWT, and TDD measurement tools (page 4-8)
 - C4.4.2 Proposed/Approved DLMS Change
 - C4.4.2.1 Proposed/Approved change to PM
 - C4.4.2.2 Proposed/Approved process flow defined in appendix 9 of DLM 4000.25



DLM 4000.25 VOLUME 6

- C4.4 Configuration Management – Cont'd
- C4.4.3 Transaction Services Technical Documentation
 - C4.4.3.1 Develop & provide LMARS training
 - C4.4.3.2 Report finding & recommendations
 - C4.4.3.3 Ensure PRC extensible capability to encompass Pipeline Measurement
 - C4.4.3.4 Ensure Testing and Validation of proposed changes to standard data elements for Pipeline Measurement performance measurement



DLM 4000.25 VOLUME 6

- C4.5 LMARS ARCHITECTURE **CHAPTER 4**
 - C4.5.1 Functional Architecture
 - C4.5.1.1 Based on capture of business events at the individual transaction level
 - C4.5.1.2 Reports and measures pipeline segment(s) completed for a document number in that report month
 - C4.5.1.3 Is a point in time reporting system
 - C4.5.1.3.1 With exception of segments 1-3, the first date DAAS receives a transaction is defined as the segments ending event determine segment's count & time
 - C4.5.1.3.2 Last in-document date is used to compute the segment



DLM 4000.25 VOLUME 6

- C4.5 LMARS Architecture **CHAPTER 4** Continued
 - C4.5.1 Functional Architecture – Cont'd
 - C4.5.1.3 Is a point in time reporting system
 - C4.5.1.3.3 Segments 1-4 are reported in the month the shipment transaction is received & segments 5-12 and the total for segments 1-12 are reported in the month that the transaction for the segments end event is received
 - C4.5.2 Technical Transaction Architecture.
LMARS is based on legacy Military Standard Requisitioning and Issue Procedures (MILSTRIP) Military Standard Transaction Reporting and issue Procedures (MILSTRAP) transaction formats



DLM 4000.25 VOLUME 6

- C4.6 LMARS **CHAPTER 4**
 - C4.6.1 Inputs – Data used to fill in LMARS database & prepare monthly reports
 - C4.6.1.1 Electronic Data Interchange (EDI) and DLMS extensible markup language (XML) are converted to DLSS transactions (legacy 80 record position MILSTRIP/MILSTRAP)
 - C4.6.1.2 Component unique document identifier codes (DIC) are used to report off line actions. Transactions are DICs B99, BE9, D7_, CHA, CH1, CO_, and CQ_
 - C4.6.1.3 Special data feeds are received for Fresh Fruits & Vegetables, Semi Perishables,

Maintenance Repair Operations, and Prime Vendor Medical



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ continued
- C4.6.1 Data sources used in LMARS database &
prepare monthly reports – Cont'd
 - C4.6.1.4 Electronic data interchange (EDI) 850 transaction is used in place of Other S9G MRO's if the EDI 850 has an earlier date
 - C4.6.1.5 Other external data feeds used to support weekly & monthly LMARS processing are DoD Activity Address Directory (DoDAAD) and the national identification number (NIIN) file
 - C4.6.1.5.1 COCOM DoDAACs (not presently produced)
 - C4.6.1.5.2 Table of DoDAACs provided by DLA Office of Operations Research and Resource Analysis



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ continued
 - C4.6.1 Data sources used in LMARS database &
prepare monthly reports – Cont'd
 - C4.6.1.5 Other external data feeds – Cont'd
 - C4.6.1.5.3 DLA Supply Chain table of items
 - C4.6.1.5.4 Guard and Reserve unit
 - C4.6.1.5.5 Reparable/Non-reparable items table
 - C4.6.2 Segment Definitions
 - C4.6.2.1 Segment 1, “Requisition Submission Time”
 - C4.6.2.2 Segment 2, “Internal Service Processing Time”
 - C4.6.2.3 Segment 3, “ICP Processing Time”
 - C4.6.2.4 Segment 4, “Storage Activity Processing Time”



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ Continued
- C4.6.2 Segment Definitions – Cont'd
 - C4.6.2.5 Segment 5, “Storage Activity to Consolidation Containerization Point Processing Time”
 - C4.6.2.6 Segment 6, “Consolidation Containerization Point Processing Time”
 - C4.6.2.7 Segment 7, “CONUS In-Transit Time”
 - C4.6.2.8 Segment 8, “Port of Embarkation Processing”
 - C4.6.2.9 “Port of Embarkation to Port of Debarkation In-Transit Time”
 - C4.6.2.10 “Port of Debarkation Processing”



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ **CHAPTER 4** continued
 - C4.6.2 Segment Definitions –Cont'd
 - C4.6.2.11 “In-Theater In-transit Time”
 - C4.6.2.12 “Receipt Take-up Time”
 - C4.6.2.13 “Total Pipeline Time (TPT)”
 - C4.6.3 Business Rules. Key tables used to determine appropriate reporting of a requisition’s life cycle events
 - C4.6.3.1 Key Tables
 - C4.6.3.1 LMARS Fill Type Rules (website)



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ **CHAPTER 4** Continued
 - C4.6.3 Business Rules – Cont'd
 - C4.6.3.1 Key Tables – Cont'd
 - C4.6.3.1.1 LMARS Fill Type Rules (website)
 - C4.6.3.1.1.1 This table is used to determine the applicable reports which each document number, completing a pipeline segment within the report month, is included
 - C4.6.3.1.1.2 Examination of the data in the transaction will derive the Fill Type into the LMARS database data element “CORP-FILL-TYPE” for that transaction document number.
 - C4.6.3.1.1.3 Output Report Specific Table, LMARS makes use of additional tables to populate the data in the specific monthly output reports
 - C4.6.3.1.1.4 LMARS provides DLA special report Fill Type Table



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ Continued
 - C4.6.4 Transaction Services Procedures
 - C4.6.4.1 Daily Continuous Processing. With the exception of special data feeds, transactions are received at DLA Transaction Services continually
 - C4.6.4.2 Weekly Processing
 - C4.6.4.2.1 LOTS database is copied & integrated into LMARS
 - C4.6.4.2.2 A temporary LMARS Master file is created
 - C4.6.4.2.3 Business rules applied to temporary LMARS file
 - C4.6.4.2.4 LMARS flat file produced & put on guest server
 - C4.6.4.2.5 Flat file tailored to each Service/Agency created
 - C4.6.4.2.6 Output weekly file created



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ Continued
- C4.6.4 DLA Transaction Services Procedures
 - C4.6.4.3 Monthly Processing
 - C4.6.4.3.1 LOTS database is copied & integrated into LMARS
 - C4.6.4.3.2 Special Feed data integrated into LMARS
 - C4.6.4.3.3 LMARS business rules applied into LMARS
 - C4.6.4.3.4 Test reports for the month are produced
 - C4.6.4.3.5 Top 300 drilldown reports produced
 - C4.6.4.3.6 Anomaly file produced
 - C4.6.4.3.7 Test reports, anomaly file, and Top 300 drill down reports are used to identify and correct any processing errors
 - C4.6.4.4 Retention requirements, monthly reports are maintained for a minimum of 3 years



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ Continued
- C4.6.4 Transaction Services Procedures – Cont'd
 - C4.6.4.5 User Accounts
 - C4.6.4.5.1 LMARS CWT maintains pipeline information for all wholesale items. ** Current reports are available on the Web on a monthly basis (to be rescinded)
 - C4.6.4.5.2 LMARS CWT reports (to be rescinded)
 - C4.6.4.5.3 Data download, DLA Transaction Services can provide data downloads in a variety of forms. Monthly reports provide a link at the top of the report spreadsheet that allows the report to be directly downloaded to a Microsoft Excel Spreadsheet



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ Continued
- C4.6.4 Transaction Services Procedures – Cont'd
 - C4.6.4.6 Handling of Corrections, corrections will be identified to the PM PRC Chair and DLA Transaction Services, when warranted, the PM PRC Chair will ensure prior coordination with DASD/SCI representative before correcting data
- C4.6.5 Output Reports. All output reports are displayed in a standard format, titles of Major Report Categories and the Sections and Sub-sections are all centered on the report pages



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ Continued
 - C4.6.5 Output Reports Cont'd
 - C4.6.5.1 Major Report Categories
 - C4.6.5.1.1 “Composite Report”, includes all documents with the exception of the Guard, Reserve, or Contractor DoDAACs
 - C4.6.5.1.2 “Major Command”, Report, not used (page 4-16)
 - C4.6.5.1.3 “Repairable NIIN” Report, identified as a Repairable NIIN by at least one service
 - C4.6.5.1.4 “Guard Report”, the document number’s Ship-To address or Consignee must be an identified Guard DoDAAC
 - C4.6.5.1.5 “Reserve” Report, the document number’s Ship-To address or Consignee must be an identified Reserve DoDAAC
 - C4.6.5.1.6 “Contractor” Report, the document number’s



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ **CHAPTER 4** Continued
 - C4.6.5 Output Reports – Cont'd
 - C4.6.5.2 Major Report Category Sections, sections are identified by tabs at the bottom of the report.
 - C4.6.5.3 Fill Type Sub-Sections, each Major Category Section is further sub-divided into six Fill Type Sub-Sections:
 - C4.6.5.3.1 “Total” Fill type Sub-Section
 - C4.6.5.3.2 “Immediate” Fill Type Sub-Section
 - C4.6.5.3.3 “Planned” Fill Type Sub-Section
 - C4.6.5.3.4 “Backordered” Fill Type Sub-Section
 - C4.6.5.3.5 “Unplanned” Fill Type Sub-Section
 - C4.6.5.3.6 “Other” Fill Type Sub-Section



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ Continued
- C4.6.5 Output Reports – Cont'd
 - C4.6.5.4 Delivery Area and Issues Processing Group row headings
 - C4.6.5.4.1 Delivery Area row headings (page C4-18)
 - C4.6.5.4.2 Issue Processing Group row labels
 - C4.6.5.5 Column/Pipeline Segment Heading and Data Descriptions
 - C4.6.5.5.1 Spreadsheet Report Columns B & C
 - C4.6.5.5.2 Spreadsheet Report Columns D & E
 - C4.6.5.5.3 Spreadsheet Report Columns F & G
 - C4.6.5.5.4 Spreadsheet Report Columns H & I
 - C4.6.5.5.5 Spreadsheet Report Columns J & K
 - C4.6.5.5.6 Spreadsheet Report Columns L & M
 - C4.6.5.5.7 Spreadsheet Report Columns N & O



DLM 4000.25 VOLUME 6

- C4.6 LMARS ~~CHAPTER 4~~ Continued
- C4.6.5 Output Reports – Cont'd
 - C4.6.5.5 Column Segment Heading and Data Descriptions
 - C4.6.5.5.8 Spreadsheet Report Columns P & Q
 - C4.6.5.5.9 Spreadsheet Report Columns R & S
 - C4.6.5.5.10 Spreadsheet Report Columns T & U
 - C4.6.5.5.11 Spreadsheet Report Columns V & W
 - C4.6.5.5.12 Spreadsheet Report Columns X & Y
 - C4.6.5.5.13 Spreadsheet Report Columns Z & AA
 - C4.6.5.5.14 Spreadsheet Report Columns Z & AA